

DERWENT-ACC-NO: 1986-249125

DERWENT-WEEK: 200152

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TITLE: Formation and degreasing of heat resisting
formed body -
removing binder by forming formed body to be sintered and
simultaneously

PATENT-ASSIGNEE: SUMITOMO HEAVY IND LTD [SUMH]

PRIORITY-DATA: 1985JP-0016462 (February 1, 1985)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 61177301 A	August 9, 1986	N/A
004 N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 61177301A	N/A	1985JP-0016462
February 1, 1985		

INT-CL (IPC): B22F000/40, C04B035/06

ABSTRACTED-PUB-NO: JP 61177301A

BASIC-ABSTRACT:

Mixt. of heat resistant material powder and binder is preformed and all preform surfaces are coated with substance to be removed by heating or diminished pressure. Coating preform is then press formed in pressure vessel by high isostatic pressure and successively allowed to come into contact with supercritical fluids or fluids liquified by pressure to elute and to remove binder in formed body.

Heat resistant material is metal, metal oxide, ceramics, etc. Binder and coating substance may use higher alcohol, fatty acid polyethylene,

etc. Fluids

may use CO₂ or fluorohydrocarbon. Isostatic pressure is 100-1000 kg/cm².

USE - Fluids may be used for bath formation and degreasing of formed body,

process may be shortened and appts. may be simplified.

ADVANTAGE - Coated preform is then press formed in pressure vessel by high isostatic oressure, and successively allowed to come into contact with supercritical fluids or fluids liquified by pressure to elute and to remove binder in formed body.

Heat resistant material is metal, metal oxide, ceramics, etc. Binder and

coating substance may use higher alcohol, fatty acid polyethylene, etc. Fluids

may use CO₂ or fluorohydrocarbon. Isostatic pressure is 100-1000 kg/cm².

CHOSEN-DRAWING: Dwg.0/3

TITLE-TERMS: FORMATION DEGREASE HEAT RESISTANCE FORMING BODY FORMING FORMING

BODY SINTER REMOVE BIND SIMULTANEOUS

DERWENT-CLASS: A81 M22 P53

CPI-CODES: A12-W12F; A12-W12G; M22-H03C;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1066U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0231 0239 1996 2022 2198 2200 2682 2728 3267 2729 3314
3316

Multipunch Codes: 014 04- 041 046 047 23& 231 236 250 359 445 47& 477
52& 54&
57& 609 678 688 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1986-107299

Non-CPI Secondary Accession Numbers: N1986-186108